

SRP

Summer Preparedness 2015

Ken Lee

Director - Resource Transactions

Steve Cobb

Director – Transmission and Generation Operations

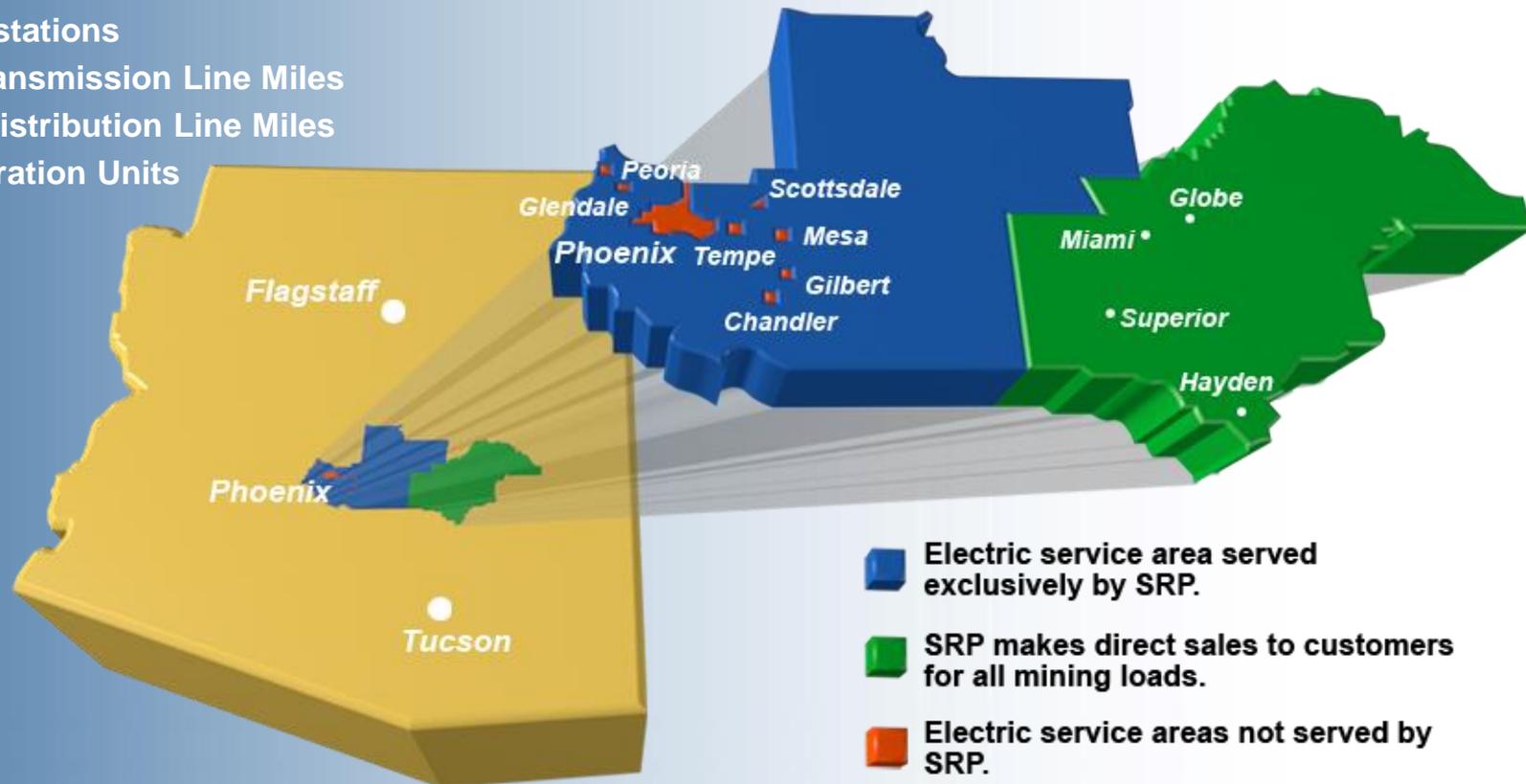
April 15, 2015

SRP's Electric Service Area

- Provide electricity to over 1 million power users in a 2,900 square-mile area in parts of 3 counties – Maricopa, Gila, and Pinal

System Stats:

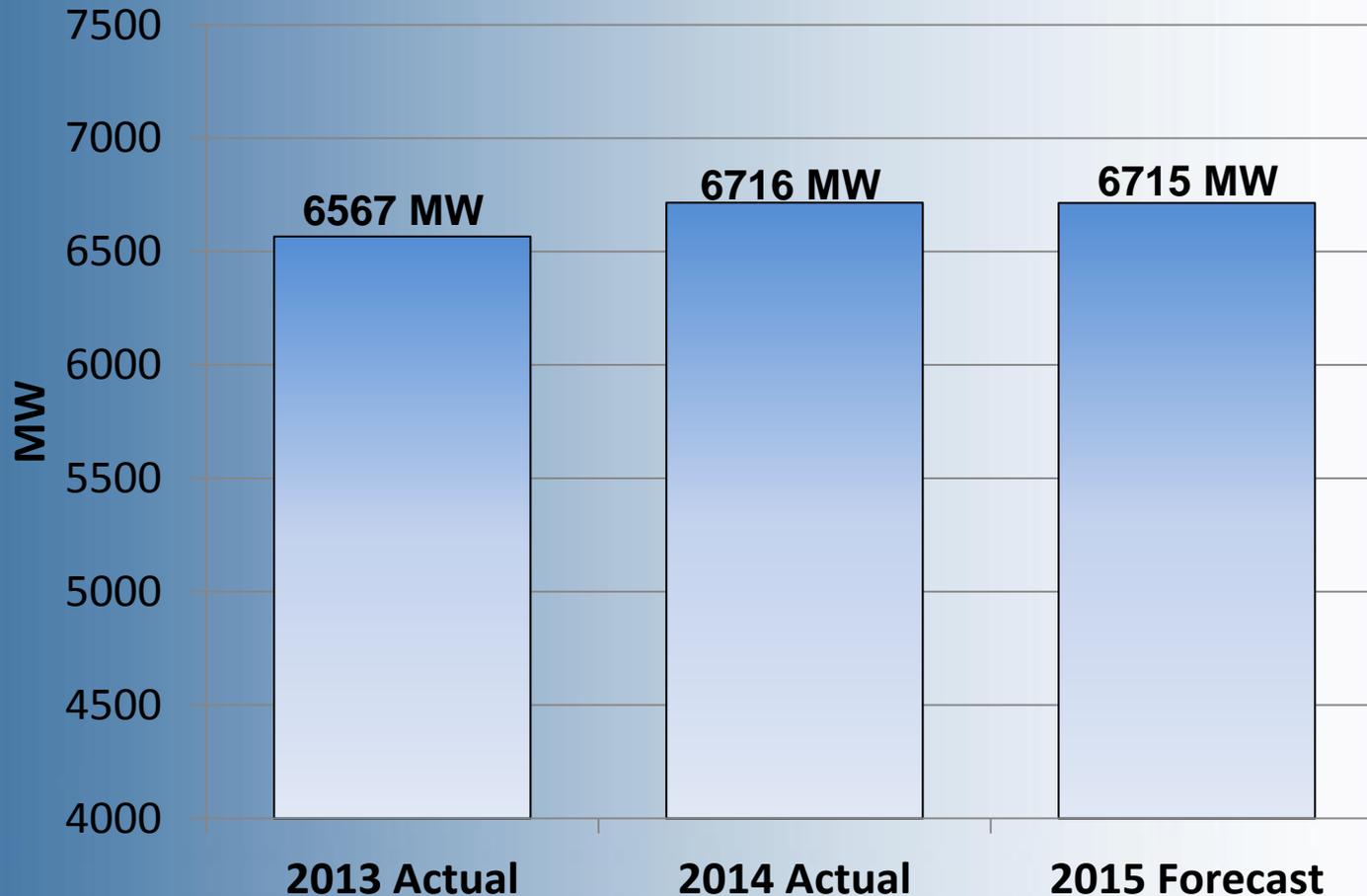
- 318 Substations
- 3,244 Transmission Line Miles
- 19,543 Distribution Line Miles
- 45 Generation Units



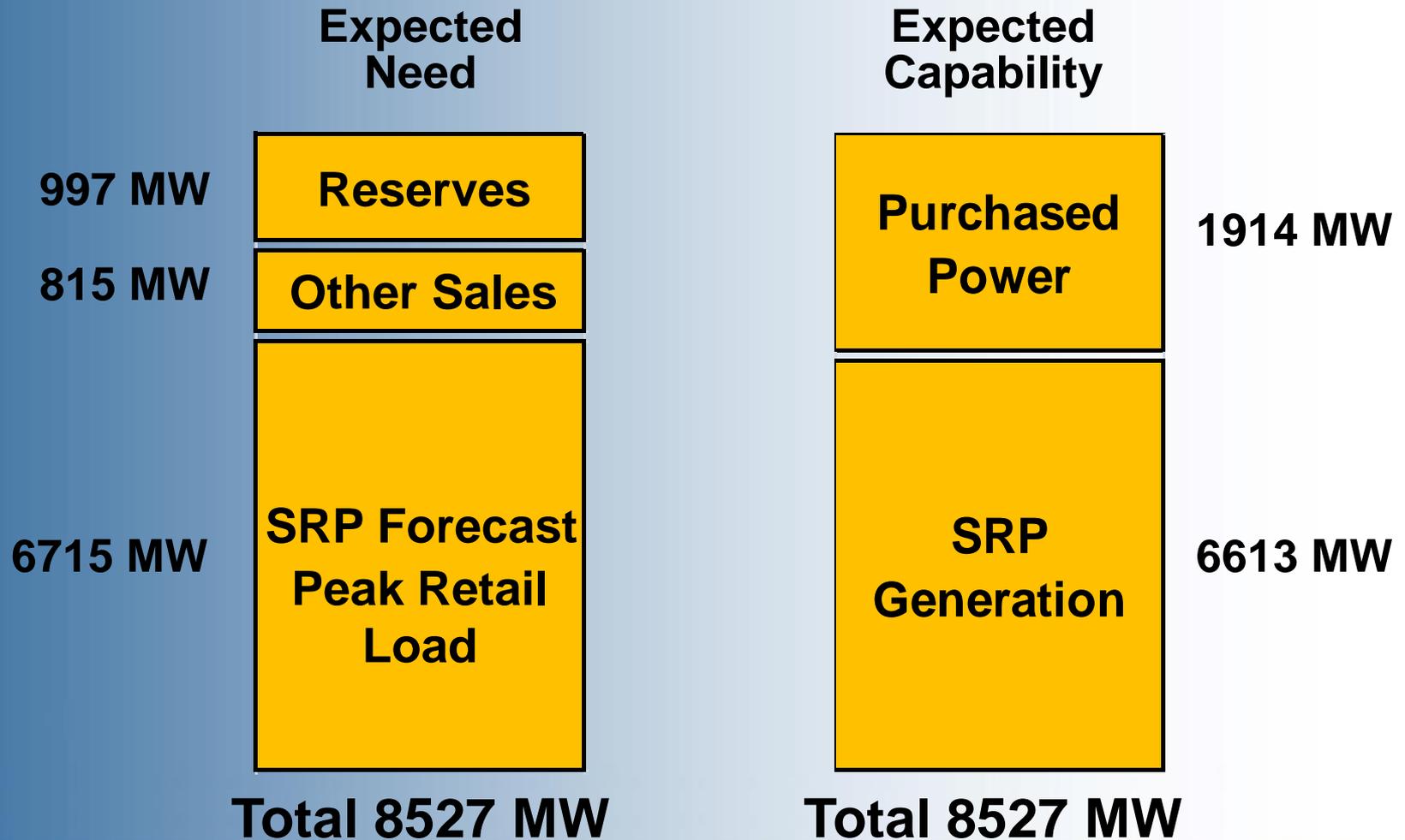
Summary

- Peak demand is expected to be similar to last year's actual peak.
- Adequate resources have been secured to meet anticipated demand.

Peak Retail Load Forecast

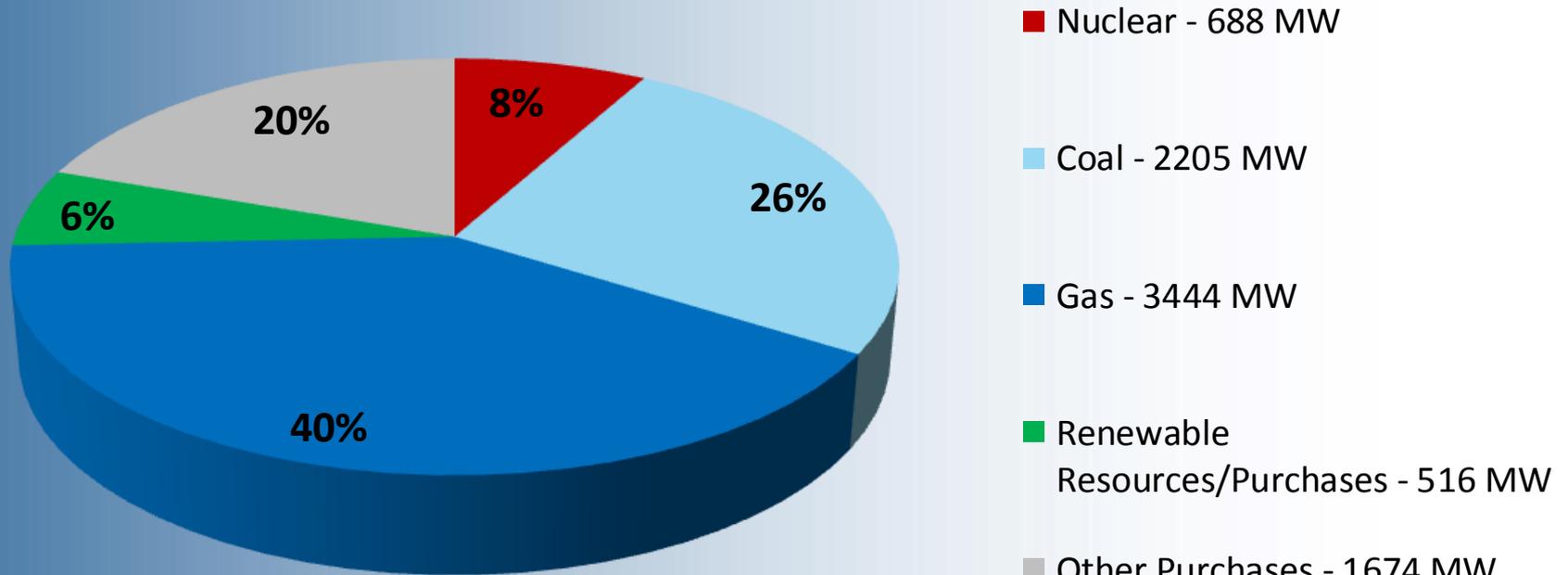


Summer 2015 Outlook



SRP 2015 Resources

Expected Capability: 8527 MW



Purchased Power

- Purchased power portfolio is in place to meet demand.
- Additional purchases may be needed to respond to forced unit outages.
- Regional market conditions suggest that there will be sufficient capacity to meet the Arizona demand.

Reserves

- Respond to load extremes above base forecast.
- Provide an immediate response to forced outages.
- Quantity is based on NERC and WECC operating criteria and contractual arrangements.
- A portfolio of resources is utilized to meet the reserve requirements.

Fuel Status

- **Nuclear**
 - Full requirements under contract.
- **Coal**
 - Full requirements under contract.
 - Inventory at coal plants are at or above target levels.
- **Natural Gas**
 - Full transportation requirements are under contract with two pipelines.
 - Current supplies of natural gas are adequate.

Transmission & Distribution Overview

- Transmission and Distribution Systems are prepared for summer operations.
- The system has sufficient capacity to serve forecasted peak demand.

2015 Transmission Additions

ADDITIONS	
Transmission Poles	406
Rebuilt, Upgraded or New 69 kV Circuit Miles	14.4
New Breakers (69kV – 500kV)	28



Additional Transmission Improvements

- Upgraded Goldfield, Santan, Thunderstone and Kyrene 230 kV Substations
- 2 New Distribution Bays to Support Load Growth
- 5 69kV Transformer Protectors for Fault Isolation
- 20 New Transformer or Bushing Monitors

Substation Improvements

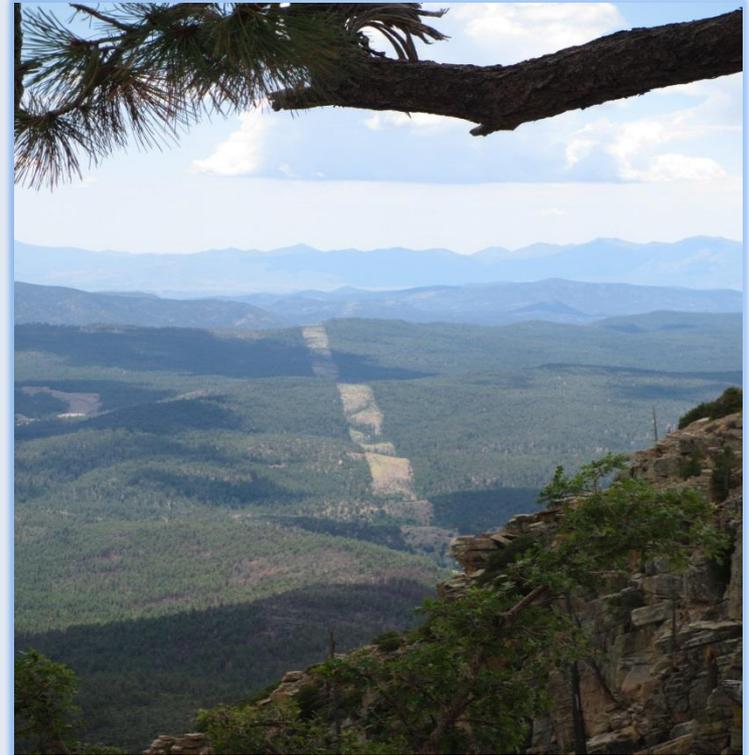


System Preparation

- Preventative maintenance
- Tree trimming
- Pole reinforcement
- Bushing replacements
- Cable replacement
- Spare equipment and material
 - 14 spare transformers
 - Spare Transformer Equipment Program

System Preparation - Cont.

- Wildfire coordination
- Line patrols/inspections
- Emergency training
- Blackstart training
- Operations coordination
- Storm planning

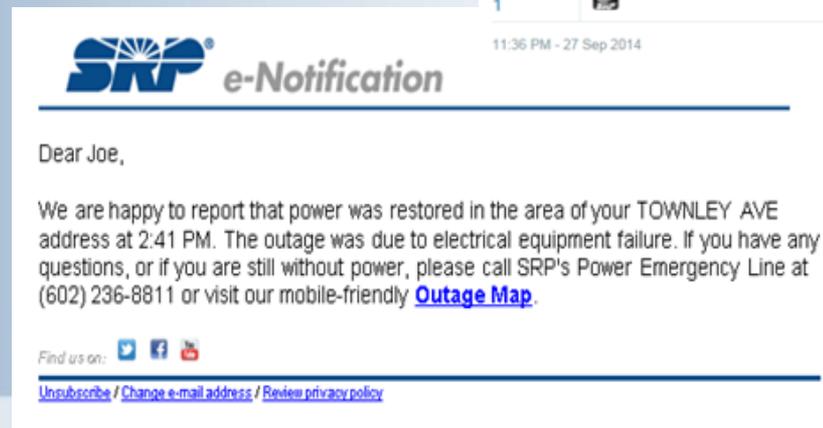


Contingency Mitigation

- Summer operating procedures reviewed and refresher training provided to O&M personnel
- 9 mobile substation transformers are available
- If required, the process for implementing rotating outages has been automated

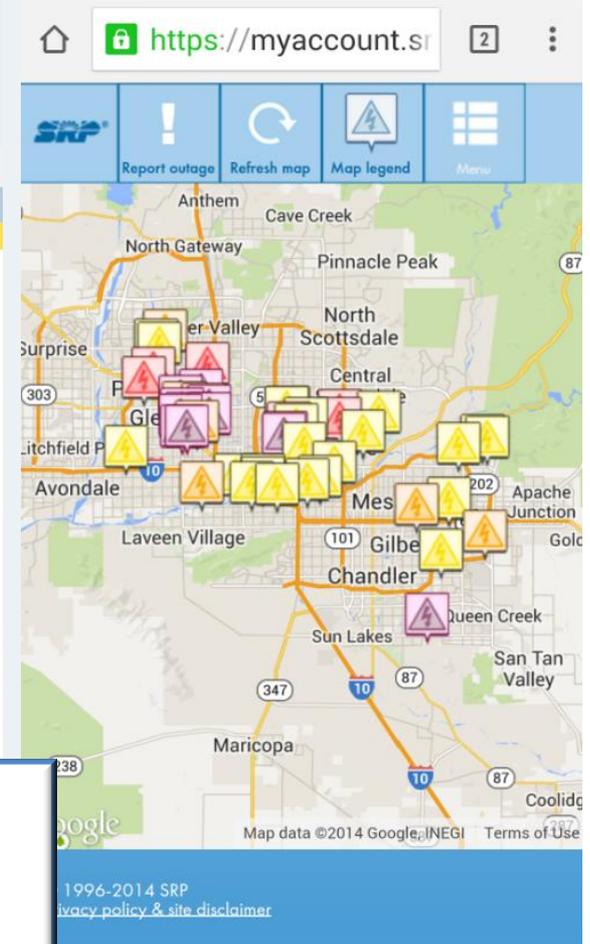
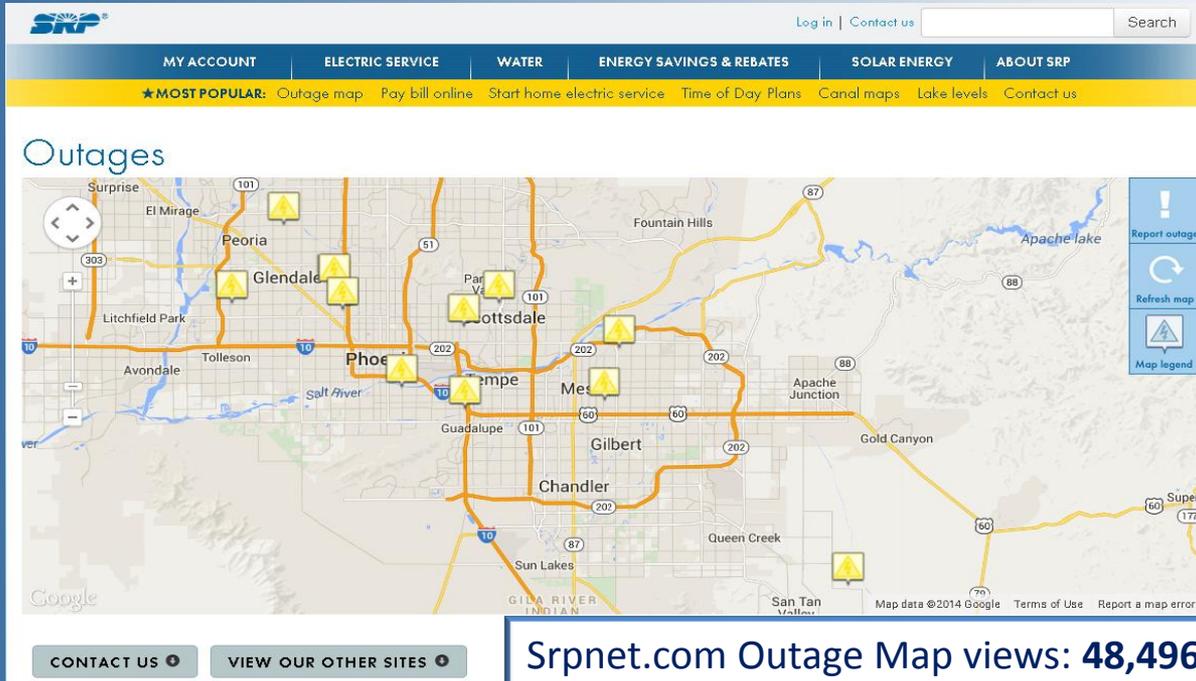
SRP - Outage Information Resources

- **Reporting an Outage**
 - Via web, Mobile device, Phone, Automated Interactive Voice Response System
 - Call centers are available 24x7 to report via a live person
- **Automated power restoration messages are delivered to the customer**
- **Proactive Communications via Text or Email**
 - Over 60,000 customers are enrolled to receive proactive outage communications, up from about 20,000 in 2014.
- **Social Media**
 - Twitter, Facebook



SRP – Outage Map

Accessible on SRP website and on mobile devices



Srpnet.com Outage Map views: **48,496**

My Account Map Views: **2,962**

Mobile Outage Map Views: **2,921**

Post storm season – September 2014

Summary of Year 2015 Projected Conditions

- Transmission, distribution, SRP generation and planned energy purchases are adequate to serve the forecasted summer 2015 demand.
- Forecasted 2015 demand is comparable to 2014 and is supported by a robust transmission system.
- Contingency plans are in place to handle emergency events.
- Proactive customer communication plan in place for outage situations.